

SCAN. ★ T01 T04 91-353981/48 ★ WO 9117-524-A  
Smart card validation device esp. for cash substitute use - has  
encryption sequence utilising single user key together with  
validation data accessed from protected memory

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ES FI GB HU JP KR LK LU MC MG MW NL NO PL RO SD SE SU  
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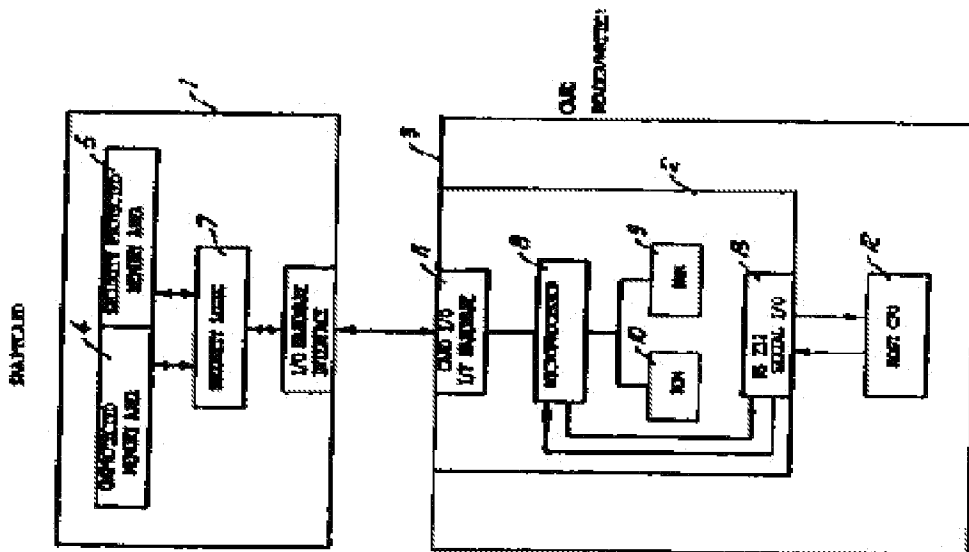
A validation device (2) for a smart card (1) is of the type which has unprotected (4) and protected (5) data storage memory, the latter selectively accessible by use of a user access code. The device (2) performs encryption on identification data to produce the user access code and accesses the unprotected data to produce additional identifiers to encrypt.

The access code is then supplied to the smart card to access selected data from the protected memory to obtain validation data. A comparator (8) compares the identification and validation data, only granting further access if a match is obtained.

**ADVANTAGE** - Does not require management of multiple user keys, so preventing information falling into hands of unauthorised users. (16pp Dwg.No.1/4)

**N91-271084**

**T1-C T1-H1B T1-D T1-H1C T4-K**



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128, Theobalds Road, London WC1X 8RP, England  
US Office: Derwent Inc., 1313 Dolley Madison Boulevard,  
Suite 303, McLean, VA22101, USA  
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